

ATTACHMENT J12

Great Falls IAP (ANG) Wastewater Collection System

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J12 Great Falls IAP (ANG) Wastewater Collection System

J12.1 Great Falls IAP (ANG) Overview

The 120th Fighter Wing (FW) of the Montana Air National Guard occupies 141 acres of leased land on the Great Falls International Airport (IAP), located approximately 3 miles southwest of downtown Great Falls, Montana. The 120th FW flies a general-purpose mission, including air defense, utilizing the F-16 Falcon. The 120th FW occupies three administrative, one services, and 43 industrial buildings totaling approximately 392,372 square feet with 350 full-time personnel. A unit training drill is conducted twice a month and results in a surge of up to a total of 943 personnel.

J12.2 Wastewater Collection System Description

J12.2.1 Wastewater Collection System Fixed Equipment Inventory

The Great Falls IAP (ANG) Wastewater Collection System consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way. The system may include, but is not limited to, pipelines, and manholes. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the Wastewater Collection System privatization are:

- ?? Oil water separators
- ?? Storm sewers

J12.2.1.1 Description

The wastewater collection system operates via gravity flow and exits the base at two locations. The wastewater collection system consists of approximately 6,100 linear feet of PVC pipe, 100 linear feet of cast iron pipe; and 1,800 linear feet of vitrified clay pipe. Pipes range in diameter from three to eight inches. Pipe depth ranges from 6 to 20 feet without tracer wire or warning tape. The system includes 16 pre-cast concrete manholes and 11 poured in place manholes ranging from 6 to 20 feet in depth. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J12.2.1.2 Inventory

Table 1 provides a general listing of the major Wastewater Collection System fixed assets for the Great Falls IAP (ANG) Wastewater Collection System included in the sale.

TABLE 1
Fixed Inventory
Wastewater Collection System Great Falls IAP (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in)			
	3	80	LF	1962
	4	45	LF	1988
	4	175	LF	1996
	4	105	LF	1994
	4	55	LF	1984
	4	70	LF	1997
	4	165	LF	1987
	4	240	LF	1975
	6	495	LF	1988
	6	355	LF	1994
	6	385	LF	1968
	6	280	LF	1984
	6	315	LF	1998
	6	15	LF	1996
	6	195	LF	1976
	6	200	LF	1999
	8	410	LF	1996
	8	995	LF	1998
	8	685	LF	1976
	8	365	LF	1997
	8	450	LF	1994
Cast Iron Pipe	(in)			
	4	105	LF	1975
Vitrified Clay Pipe	(in)			
	4	260	LF	1961
	4	410	LF	1955
	4	115	LF	1959
	6	485	LF	1956
	6	330	LF	1961

Item	Size	Quantity	Unit	Approximate Year of Construction
	6	200	LF	1959
Standard Sanitary Sewer Manholes (4 ft diameter)	Depth (ft)			
Pre-cast Concrete	6	1	EA	1984
Pre-cast Concrete	6	2	EA	1994
Pre-cast Concrete	8	3	EA	1968
Pre-cast Concrete	10	1	EA	1997
Pre-cast Concrete	10	2	EA	1994
Pre-cast Concrete	10	2	EA	1969
Pre-cast Concrete	10	3	EA	1988
Pre-cast Concrete	12	1	EA	1987
Pre-cast Concrete	20	1	EA	1999
Poured-in-Place Concrete	6	1	EA	1956
Poured-in-Place Concrete	8	1	EA	1955
Poured-in-Place Concrete	8	4	EA	1961
Poured-in-Place Concrete	12	2	EA	1957
Poured-in-Place Concrete	15	2	EA	1976
Poured-in-Place Concrete	20	1	EA	1975
Notes:				
PVC = Polyvinyl Chloride				
LF = Linear Feet				
In = Inches				
FT = Feet				
EA = Each				

J12.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and Table 3 lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2
Spare Parts
Wastewater Collection System Great Falls IAP (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Wastewater Collection System Great Falls IAP (ANG)

Description	Quantity	Location	Maker
None			

J12.2.3 Wastewater Collection System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4
Manuals, Drawings, and Records
Wastewater Collection System Great Falls IAP (ANG)

Qty	Description	Remarks
1	MANG Base Master plan, Sanitary Sewer Plan, May 2001	AutoCAD Release Version 2000

J12.3 Specific Service Requirements

The service requirements for the Great Falls IAP (ANG) Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

J12.4 Current Service Arrangement

- ?? **Current Provider:** City of Great Falls
- ?? **Average Annual Effluent (2000):** 6,550 kGal
- ?? **Maximum Monthly Effluent:** 1,830 kGal (August)
- ?? **Minimum Monthly Effluent:** 130 kGal (December)
- ?? **Estimate based on 100% of water usage**

J12.5 Secondary Metering

The Contractor shall install and calibrate new secondary meters as listed in **Table 5**. New secondary meters shall be installed IAW Paragraph C.13, Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J12.6 below.

TABLE 5
New Secondary Meters
Wastewater Collection System Great Falls IAP (ANG)

Meter Location	Meter Description
None	

J12.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

- 1. Invoice (IAW Paragraph G.2). The Contractor’s monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
- 2. Outage Report. The Contractor’s monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
- 3. Infiltration and Inflow Report. If required by Paragraph C.3, the Contractor shall submit an Infiltration and Inflow report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J12.7 Infiltration and Inflow (I&I) Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I: None.

J12.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Great Falls IAP (ANG) boundaries.

J12.9 Off-Installation Sites

No off-installation sites are included in the sale of the Great Falls IAP (ANG) Wastewater Collection System.

J12.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 6** provides a listing of service connections and disconnections required upon transfer.

TABLE 6
Service Connections and Disconnections
Wastewater Collection System Great Falls IAP (ANG)

Location	Description
None	

J12.11 Government Recognized System Deficiencies

Table 7 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Great Falls IAP (ANG) Wastewater Collection System. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 7
System Deficiencies
Wastewater Collection System Great Falls IAP (ANG)

Project Location	Project Description
None	